

ECS Configuration Change Request

Page 1 of 2 Page(s)

1. Originator Byron V. Peters	2. Log Date: 1/27/99	3. CCR #: 99-0078	4. Rev: -	5. Tel: 4077	6. Off: SED	7. Org. HWE
8. Title of Change: Baseline Engineering Technical Directive for Logs Containing Userids and Passwords						
9. Originator Signature <i>Byron V. Peters</i>	10. Date: 1/22/99	11. Class II	12. Type: CCR	13. Need Date: 1/22/99		
14. Office Manager Signature <i>Heidi Bollinger</i>	15. Date: 1/22/99	16. Date CCB Decision Needed: 1/19/99		17. Category of Change: Category	18. Priority: Routine	
19. Documentation/Drawings Impacted: N/A		20. Schedule Impact: None		21. CI(s) Affected: ALL		
22. Release Affected: Drop 4PX		23. Date due to Customer: N/A	24. Impl. Date: 2/1/99	25. Effectivity of Change: Immediate	26. Est. Cost None	
27. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> GSFC CCR <input type="checkbox"/> Tech Ref. <input type="checkbox"/> Other: ECSed 18824 18314						
28. Description of Change: (use additional Sheets if necessary) When higher levels of debug are activated in ECS custom software, userids and passwords appear in the clear within these log files.						
29. Proposed Solution: (use additional sheets if necessary) The attached directive provides a framework for managing this threat.						
30. Alternate Solution: (use additional sheets if necessary)						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) Potential compromise of ECS accounts resulting in security breach(es).						
32. Does Change Affect Any of the following (Please Explain on additional sheet): <input type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input type="checkbox"/> Test <input checked="" type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input checked="" type="checkbox"/> CM <input type="checkbox"/> Clearcase SG <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QO <input type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input type="checkbox"/> RTSC <input type="checkbox"/> Sci. Data Eng <input checked="" type="checkbox"/> Security <input checked="" type="checkbox"/> Sys. Dev. <input checked="" type="checkbox"/> Sys. Eng. <input checked="" type="checkbox"/> Sys Verf Acpt <input type="checkbox"/> Other						
34. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> Mini-DAAC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> Other						
35. Board Comments:				36. Work Assigned To:		
37. Release Authorized (For CM Use Only): <input type="checkbox"/> Yes <input type="checkbox"/> No			38. CM Verified/Signature and Date			
39. EDF/REL2 CCB Chair (Sign/Date): <i>Mark Donald 2/1/99</i>		40. Disposition: <input checked="" type="checkbox"/> App <input type="checkbox"/> Ap/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		41. ESDIS ERB Concurrence:		
42. ECS CCB Chair (Sign/Date):		43. Disposition: App <input type="checkbox"/> A/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/>		44. CCR Closed Date:		

CM01 August 27, 1998

ECS/EDF/REL2 CCB

ORIGINAL



ECS Project

Engineering Technical Directive

No. 99-002

Subject: Unencrypted Passwords in log files
The following directive is issued to all DAACS and labs.

22-Jan-99

Issue: System verification testing has revealed that passwords are being written in clear text to log files.

Implementation:

1. This practice presents an unacceptable security risk to ECS.
2. Names of system accounts may be written to logs. However, logs that also contain passwords must have file permissions on the log file changed to 770 with the cm<MODE> account being the owner and cm<MODE> group being the group. If such logs are retained on the host, they must be encrypted using the UNIX crypt command and a locally agreed upon password. One such password per location is acceptable but the password may not be kept in clear text on any system.

Point of Contact: Byron Peters, Chair, TSIWG, email – bpeters@eos.hitc.com,
phone 301/883-4077

Approved By: M. McBride
Director, Systems Engineering

Reference CCR: 99-0078

-----End of Directive-----